

# ABSTRACT OF THE DISCLOSURE

5 In an integrated circuit arrangement with a plurality of signal connections linked to the inputs of a multiplexer, overmodulation of the signal connections can lead to crosstalk between multiplex channels. The new procedure should suppress such crosstalk. In order to avoid overmodulation, the voltages at the signal connections are limited to permissible input voltage values, while each overmodulated signal connection is configured as an output and, depending upon the overmodulation, set to a high or low level. Whereby, in order to test whether a signal connection is 10 overmodulated, the input voltage value at this signal connection is converted to a digital data value which, because of its final bit width, lies within a data range limited by an upper and lower data limit value. If the data value equals the upper or lower data limit value, this is interpreted as overmodulation of the relevant signal connection.

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